Wêrk Orde				Was to the same of	Page 1						
Item ID: Revision ID: Item Name:	D412-761-0	041A Reference Door, LH		Accept	*N900	040	100)*	Setup St	IV	IS1* IS2*
Start Date: Required Date: Reference:	7/17/2012 : 8/2/2012	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item I Customer:	D:				· ·	
Approvals:	Process Pl	lan: MF.	Date: \Q-09 -	17 _{Tooling} : SPC (Y/N):	Date:					ор	IR1* IR2*
Sequence ID/ Work Center II		Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr DSI 9514 IIN D412-761	В	vision Nbr	Λ						.,		
*1 \\ \DC\\\ \Dcument Control		DOCUMENT CONTRO Memo Photocopy b		0.00 0.00 PPP D412-761-041A/ DSI	9514 CHG001	८(५\३०			MUS	126	05/20
*110 *110* Packaging		Pick Kit Memo		0.00						(2	12/30

Memo

Packaging

										-	DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-O	O	VFORI	MANCE / UPDATE		QA Closed:	Date:	
Work Ord	er·					DISPOSITION			AGAINS	T DEI	PARTMENT/	PROCESS	
Part I	No.					Rework Scrap Use-as-is Work Order Update		Thern	Skid-tube Crosstub Machining Small Fa noforming Finishin Large Fab Composit	b g		Water Jet d. Eng. Coor. e/Packaging Supplier	Engineering Quality Other
Root					Descri	ption of work order update		nitial	Action		Sign &		
Cause		Date	Step	Qty	,	or Non-conformance	Ch	ief Eng	Description		Date	Verification	· QC Inspector
Doc/Data						- 							-
Equip/Tooling				ĺ									
Operator													
Material													
Setup							1		•				
Other													
Process									·				
Supplier			Ì										
Training		4	ł										
Unapproved								-					
					•	F	AUL	T CATE	GORY				
Landi	ng (ear				General		_			_		
		Bending				Bend		Grain	•		Ovalized	·	Pressure/Forced
		Centre No	ot Conce	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
		Cracks				Broken/Damaged		Inspect	ion Incomplete		Part Incorre	ct	Weld
		Crushed/	Crimped.		Ţ.	Burrs		Instruct	ions Incomplete/Unclear		Part Lost/Mi	ssing	Wrong Stock Pulled

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Part Moved

Positioned Wrong

Power Loss/Surge

Other

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

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Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Cuffs

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

<u> </u>			·								
Work Ord				*878	388*						Page 2
Item ID:	D412-761-0	041A		Accept	*N900	0.0	100	ገ* ያ	Setup Star	rt *N I	C1*
Revision ID:					IU.AN	n 141 1	111	. 1	_	. 17	7 1
Item Name:	Full Vertical	Reference Door, LH			•				Sto	P *N	S2*
Start Date:	7/17/2012	Start Qty: 2.00	*2*		Cust Item 1	ID·			•		. ,,
Required Date:	8/2/2012	Req'd Qty: 2.00	*2*	· .	Customer:						•
Reference:											
Approvals:	Process Pl	lan:	_ Date:	Tooling:	D	ate:		F	Run Stai	I <i>Z</i> I	R1*
	QC:		Date:	SPC (Y/N):	<u> </u>	ate:			Sto	*N	R2*
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120		QC4- 100% Inspect kits	for completeness	0.00				*	4 -9	1,4111001	Stamp
120 QC Quality Control		Memo		0.00 (AS)	7(7/3)			•			
130				0.00						1	1 6
130		Packaging						(2)		17/7	land
Packaging		Memo		0.00							200 P
Packaging		Identify and Location: PPP Rev:		PPP D412-761-041A /DSI	9514						
140		QC21- Final Inspection -	· Work Order Release	0.00							

0.00

Memo

140

Quality Control

W120730

				DQA:	:	Date:	
NCR:	Yes /	No	WORK ORDER NON-CONFORMANCE / UPDATE				

				_						QA Closed:	Date	
Work Order	·:				DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
Part No			-		Rework Scrap		r	Skid-tube Machining	Crosstube Small Fab	4	Water Jet d. Eng. Coor.	Engineering Quality
NCR No	o				Use-as-is Work Order Update]		noforming Large Fab	Finishing Composite	Rec/Stor	re/Packaging Supplier	Other
Root				Descri	ption of work order update	Ini	tial	Ac	tion	Sign &		
Cause	Date	Step	Qty	(or Non-conformance	Chie	f Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling												
Operator											•	-
Material												
Setup												
Other					•							
Process												
Supplier	_							,		_		
Training					•	-						
Unapproved		ļ						·		ļ <u></u>		<u></u>
						AULT	CATE	GORY				
Landing	_			_	General					1	_	٦
-	Bending			_	Bend		irain		-	Ovalized		Pressure/Forced
-	Centre No	ot Concer	ntric to C	D/S	BOM/Route	_	ardwa		<u> </u>	Over/Under	<u> </u>	Temperature/Cure
_	Cracks			<u> </u>	Broken/Damaged	\vdash	•	on Incomplete		Part Incorre	}	Weld
_	Crushed/	Crimped.		<u> </u>	Burrs			ions Incomplete	/Unclear	Part Lost/M	issing	Wrong Stock Pulled
_	Cuffs			<u> </u>	Contamination	 		nance	ļ	Part Moved		
	Heat Trea				Countersink	-	1islabe	the state of the s	<u> </u>	Positioned \	· · -	¬
-	Inspection	•	Tube		Cut Too Short	\vdash	/lisread	ı	<u>L</u>	Power Loss/	'Surge	Other
L	Ripples in			<u> </u>	Drill Holes		ffset					
L	Torque W			` <u> </u>	Drawing	-		Calibration				
	Turning S	equence			Finish	Щ٥	ot of S	Sequence				
•	Wave/Tw	ist in Tub	ne .	1	Folio	1 10)utside	Dimensions				

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Work Order ID:

87888

Parent Item:

D412-761-041A

Parent Item Name:

Full Vertical Reference Door, LH

Start Date: 7/17/2012

Required Date: 8/2/2012

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP Rev:A as per ECN10-573 DD 10.05.18 verf:EC

	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
Sa	D412-761-045 Large Bubble Window, LH		Manufactured	No			110	Each	2.0000		2		54	
70	(40700)				Location		Loc Qty	<u>Lo</u>	c Code					
4	Door wounted mattament i		Manufactured	No	FG110 81608		2 2 110	Each	2.0000		2	S		
8	er chlym	0 1			<u>Location</u> FG031A		Loc Oty	Lo	c Code			•		
5	D412-761-051 Alternate Armrest	SW	Manufactured	No	57755	-	100	Each	0.0000	B	2	י י	294	•

		DQA:	vate:
NCR: Yes / No	WORK ORDER NON-CONFORMANCE / UPDATE		

	cs , 140				Work Shock Holl				QA Closed:	Date	:	
Work Orde	r:				DISPOSITION			AGAINST DE	PARTMENT	PROCESS		
			· · · · · · · · · · · · · · · · · · ·	·····	Rework	7 	Skid-tube Crosstube			Water Jet Engineerii		
Part N	0.				Scrap	1 1	Machining	Small Fab	Pro	d. Eng. Coor.	Quality	
					Use-as-is	- 1	noforming	Finishing	4	e/Packaging	Other	
NCR N	o.				Work Order Update	┪ ┃	Large Fab	Composite	<u> </u>	Supplier		
							- <u> </u>				<u> </u>	
Root				Descri	ption of work order update	Initial	Act	ion	Sign &			
Cause	Date	Step	Qty		or Non-conformance	Chief Eng	Descr	iption	Date	Verification	QC Inspector	
Doc/Data												
Equip/Tooling												
Operator												
Material										•		
Setup		1										
Other		ł										
Process	_											
Supplier	_						1					
Training	_									1		
Unapproved		l	ll	<u> </u>						<u> </u>		
						AULT CATE	GORY	·	······			
Landin	ng Gear				General Bend	Grain			Ovalized	. [Pressure/Forced	
}	Bending Centre No	at Cansa	atria ta (\	BOM/Route	Hardwa	aro.	<u> </u>	Over/Under	toloranco	Temperature/Cure	
<u> </u>	Cracks	or concei	ונווכ נט נ	⁻	Broken/Damaged	\vdash	ion Incomplete	<u> </u>	Part Incorre	·	Weld	
}	Crushed/	Crimpod			Burrs	—	tions incomplete/L	Inclear	Part Lost/M	⊢	Wrong Stock Pulled	
ŀ	Cuffs	Ciliipeu.		-	Contamination	—	enance	Jilcieai .	Part Moved	1331116 <u></u>		
}	Heat Trea	ot.		<u> </u>	Countersink	Mislab			Positioned V	Vrong		
ŀ	Inspectio		Tube		Cut Too Short	Misrea		<u> </u>	Power Loss/		Other	
ł	Ripples in				Drill Holes	Offset		L	i		1	
ŀ	Torque W		xtrusion	,一	Drawing	⊢	Calibration					
ŀ	Turning S				Finish	\vdash	Sequence					
					Folio	-	e Dimensions			· · · · · · · · · · · · · · · · · · ·		

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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-761 REV. D OR EARLIER AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-761 REV. 1 OR EARLIER

REF. TCCA STC: SH09-4 REF. EASA STC: 10028917

THE PURPOSE OF THIS SERVICE INSTRUCTION IS TO ADD THE D412-761-011/-011A LH FULL VERTICAL REFERENCE DOOR KIT. THESE KITS CONSIST OF AN OEM LH DOOR MODIFIED BY DART PER INSTALLATION DRAWINGS D412-761-1 AND D412-761-049/-051 ARMREST KIT (NOT INSTALLED). A WIRING HARNESS MUST BE ORDERED SEPERATELY. AMEND THE PARTS LIST OF IIN-D412-761 REV. D AND ICA-D412-761 REV. 1 AS FOLLOWS:

5.0 PARTS LIST, FULL VERTICAL REFERENCE DOOR MOD (IIN-D412-761) 52.10 PARTS LIST (ICA-D412-761)

QTY -011	QTY -011A	QTY -041	QTY -041A-	QTY -043	QTY -045	QTY -047	QTY -049	QTY -051	QTY -141	PART NUMBER	DESCRIPTION
х										D412-761-011	FULL VERTICAL REFERENCE DOOR, LH
	X									D412-761-011A	FULL VERTICAL REFERENCE DOOR, LH
1		х							i	D412-761-041	FULL VERTICAL REFERENCE DOOR KIT, LH
	1		х							D412-761-041A	FULL VERTICAL REFERENCE DOOR KIT, LH
				X	1					_D412-761-043	MODIFIED LATCH MECHANISM KIT, LH
		1 /	1		х			_		_D412-761-045	LARGE BUBBLE WINDOW KIT, LH
		1	7 1			х				_D412-761-047	DOOR MOUNTED INSTRUMENT PANEL KIT, LH
		1					х			D412-761-049	ARMREST KIT, LH
			1					x		_D412-761-051	ARMREST KIT, LH
1	1								х	D412-761-141	VENT KIT
1	1									204-030-853-125	BELL 204, 205, 210, 412 OEM DOOR (OR 204-030-853-137 OR 204-030-853-155 (BELL 212), OR 204-030-853-153 (BELL 214))

IN ALL OTHER RESPECTS, THE D412-761-011/-011A SHOULD BE INSTALLED ON THE AIRCRAFT PER SECTION 3.1 OF INSTALLATION INSTRUCTIONS IIN-D412-761; CRITICAL INSTRUMENTS SHOULD BE INSTALLED PER SECTION 3.2 OF INSTALLATION INSTRUCTIONS IIN-D412-761; THE D412-761-049/-051 ARMREST KIT SHOULD BE INSTALLED PER SECTION 3.3 OF INSTALLATION INSTRUCTIONS IIN-D412-761 AND DSI 9520 (FOR D412-761-051). MAINTAIN THE D412-761-011/-011A KIT PER INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-761.

THE WEIGHT AND BALANCE FOR D412-761-011 IS SAME AS D412-761-041. THE WEIGHT AND BALANCE FOR D412-761-011A IS SAME AS D412-761-041A.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01
APPROVED /
BY:
D. SHEPHERD (DE # 02)
•
DATE:10.05,12
CERT. NO.: <u>SH09-4</u>
ISSUE NO.:2

В	ADDE	D412-76	1-011	IA	MB	10.05.12					
A	NEW IS	SSUE			МВ	10.04.12					
REV.			С	DESCRIPTION BY D							
DESIGN	l	ACE	LTD								
DRAWN	1	5.		HAWKESBURY, ONTARIO, CANADA							
CHECK	ED	U	7	DRAWING NO.		REV. B					
MFG. Al	PPR.	N/A	,	DSI 9514		SHEET 1 OF 1					
APPRO	VED	LIM	.,	TITLE		SCALE					
DE APP	R.	1	4	FULL VERTICAL REFEREN	CE DO	OR NTS					
DATE	10.0	5.12	1	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERSISSION FROM DART AEROSPACE LTD.							